

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Roger NOËL)	Confirmation No.: 7999
)	
Application No.: 10/533,873)	Group Art Unit: Unassigned
)	
Filed: May 5, 2005)	Examiner: Unassigned
)	
For: ARRANGEMENT FOR CONTROLLING ROCK DRILLING		

Commissioner for Patents
U.S. Patent and Trademark Office

Customer Window Mail Stop: ☐ New Application ☒ Amendment ☐ AF ☐ Issue Fee
Alexandria, VA 22314

Sir:

INFORMATION DISCLOSURE STATEMENT (IDS)

☒ **Under 37 C.F.R. § 1.97(b):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. To the undersigned's knowledge, this IDS is being filed before the mailing date of a first Office Action on the merits, before the mailing date of a first Office Action on the merits after filing an RCE under § 1.114, or within three months of the application filing date.

☐ **Under 37 C.F.R. § 1.97(c):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. This IDS is being filed after the events recited in § 1.97(b) but, to the undersigned's knowledge, before the mailing date of a Final Office Action, a Notice of Allowance, or another action that closes prosecution in the application.

☐ The fee of \$180.00 set forth in § 1.17(p) is included herein; or

☐ Applicant submits that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ **Under 37 C.F.R. § 1.97(d):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(d), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. This IDS is being filed after the events recited in § 1.97(c) but before payment of the issue fee.

☐ The fee of \$180.00 set forth in § 1.17(p) is included herein; and

☐ Applicant submits that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ **Under 37 C.F.R. § 1.97(i):** Pursuant to 37 C.F.R. §§ 1.56 and 1.97(i), Applicant brings to the attention of the Examiner the documents listed on the attached PTO Form 1449. This IDS is being filed after the events recited in § 1.97(d). Applicant requests that the IDS be placed in the file.

☒ A search report or other listing of documents from a counterpart, related, or other application dated September 19, 2003 and having documents cited thereon is attached for the Examiner's consideration. Any of these documents not previously cited, and any additional documents are listed on the PTO Form 1449.

☒ Applicant respectfully requests that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. As for any document listed on the accompanying PTO-1449 that is in a language other than English, relevance can be understood from an enclosed English abstract or at least partial translation or from mention in the specification or in a search report for a corresponding application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that any of the listed documents are material or constitute "prior art." If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should any of the documents be applied against the claims of the present application.

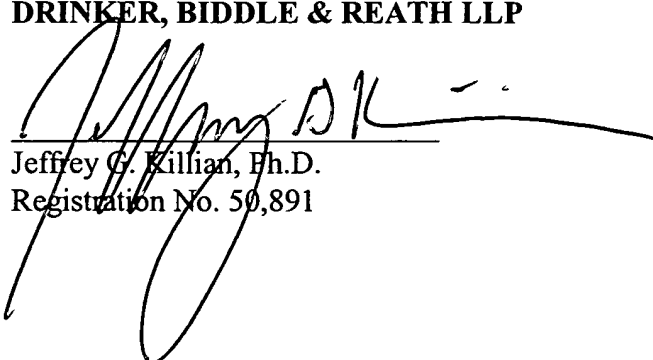
Except for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this Application, including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required and including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0573. This paragraph is intended to be a CONSTRUCTIVE PETITION FOR EXTENSION OF TIME in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

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Dated: May 19, 2006

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INFORMATION DISCLOSURE CITATION				Attorney Docket No.: 47121-0116-00-US		Serial No.: 10/533,873	
(Use several sheets if necessary)				Applicant Roger NOËL		Page 1 of 1	
PTO Form 1449				Filing Date: May 5, 2005		Group Art Unit: Unassigned	
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date
		3,561,542	02/09/1971	Hanson et al.			
		3,581,830	06/01/1971	Stoner			
		3,823,729	07/16/1974	Swogger			
		4,165,789	08/28/1979	Rogers			
		4,275,793	06/30/1981	Schivley, Jr. et al.			
		4,431,020	02/14/1984	Kowalski			
		4,711,090	12/08/1987	Hartiala et al.			
		4,967,791	11/06/1990	Sternberger			
		5,347,811	09/20/1994	Hasegawa et al.			
		5,771,981	06/30/1998	Briggs et al.			
		5,778,990	07/14/1998	Niemi			
		5,826,613	10/27/1998	Schalk			
		6,176,324	01/23/2001	Cadet			
		6,408,622	06/25/2002	Tsuruga et al.			
		2006/0011360 A1	01/19/2006	Noel			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub Class	<u>Translation</u> YES NO
		0 384 888	06/10/1992	Europe			Abstract
		90277	09/30/1993	Finland			Abstract
		1 146 267	10/17/2001	Europe			
OTHER DOCUMENTS							
(Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)							
		Liisa KALAKOSKI, "6.2. Flowmeters based on pressure difference," Paine ja virtaus, Finnish Society of Automatic Control, 1981, pp. 92 (and its English language translation).					
Examiner					Date Considered		
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							